



Docket No.: S&ZIO020103

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By: 

Date: November 6, 2003

UNITED STATES IN THE PATENT AND TRADEMARK OFFICE

Applic. No. : 10/623,830  
Applicant : Astrid Elbe et al.  
Filed : July 21, 2003  
Art Unit : 2124  
Examiner : to be assigned

Confirmation No: 5757

Docket No. : S&ZIO020103  
Customer No. : 24131

LETTER

Hon. Commissioner for Patents

Sir:

Enclosed please find a copy of the English translation of the International Preliminary Examination Report for the above-identified application. Please enter it into the file.

Respectfully submitted,

  
For Applicants

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REG. NO. 29,308

Date: November 6, 2003

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# PATENT COOPERATION TREATY

## PCT NOTIFICATION OF TRANSMITTAL OF COPIES OF TRANSLATION OF THE INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Rule 72.2)

From the INTERNATIONAL BUREAU

To:

SCHOPPE, Fritz  
Schoppe, Zimmermann, Stöckeler &  
Zinkler  
Postfach/P.O. Box 246  
82043 Pullach bei München  
Germany

Date of mailing (day/month/year) 30 September 2003 (30.09.03)	
Applicant's or agent's file reference IO020103PCT	<b>IMPORTANT NOTIFICATION</b>
International application No. PCT/EP02/00719	International filing date (day/month/year) 24 January 2002 (24.01.02)
Applicant INFINEON TECHNOLOGIES AG et al	

### 1. Transmittal of the translation to the applicant.

The International Bureau transmits herewith a copy of the English translation made by the International Bureau of the international preliminary examination report established by the International Preliminary Examining Authority.

### 2. Transmittal of the copy of the translation to the elected Offices.

The International Bureau notifies the applicant that copies of that translation have been transmitted to the following elected Offices requiring such translation:

CA,CN,JP,KP,KR,US

The following elected Offices, having waived the requirement for such a transmittal at this time, will receive copies of that translation from the International Bureau only upon their request:

AP,EA,EP,AE,AG,AL,AM,AT,AU,AZ,BA,BB,BG,BR,BY,BZ,CH,CO,CR,CU,CZ,DE,DK,DM,DZ,EC,EE,ES,FI,GB,GD,GE,GH,GM,HR,HU,ID,IL,IN,IS,KE,KG,KZ,LC,LK,LR,LS,LT,LU,LV,MA,MD,MG,MK,MN,MW,MX,MZ,NO,NZ,OM,PH,PL,PT,RO,RU,SD,SE,SG,SI,SK,SL,TJ,TM,TN,TR,TT,TZ,UA,UG,UZ,VN,YU,ZA,ZM,ZW,OA

### 3. Reminder regarding translation into (one of) the official language(s) of the elected Office(s).

The applicant is reminded that, where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report.

It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned (Rule 74.1). See Volume II of the PCT Applicant's Guide for further details.

<p>The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland</p> <p>Facsimile No. (41-22) 338.89.75</p>	<p>Authorized officer Rosana REYES (Fax : 338 89 75)</p> <p>Telephone No. (41-22) 338 8471</p>
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**Translation**

**PATENT COOPERATION TREATY**

**PCT**

**INTERNATIONAL PRELIMINARY EXAMINATION REPORT**

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference <b>IO020103PCT</b>	<b>FOR FURTHER ACTION</b> See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. <b>PCT/EP02/00719</b>	International filing date (day month year) <b>24 January 2002 (24.01.02)</b>	Priority date (day month year) <b>16 February 2001 (16.02.01)</b>
International Patent Classification (IPC) or national classification and IPC <b>G06F 7/72</b>		
Applicant <b>INFINEON TECHNOLOGIES AG</b>		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.

2. This REPORT consists of a total of 4 sheets, including this cover sheet.

☒ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of 8 sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability: citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand <b>13 September 2002 (13.09.02)</b>	Date of completion of this report <b>24 January 2003 (24.01.2003)</b>
Name and mailing address of the IPEA/EP	Authorized officer
Facsimile No.	Telephone No.

## V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

## 1. Statement

Novelty (N)	Claims	1, 7	YES
	Claims		NO
Inventive step (IS)	Claims		YES
	Claims	1, 7	NO
Industrial applicability (IA)	Claims	1, 7	YES
	Claims		NO

## 2. Citations and explanations

1. The solution proposed in Claim 1 of the present application cannot be considered inventive for the following reasons (PCT Article 33(3)):

1.1. Cryptographic calculations according to the feature of Claim 1 (lines 6-7) are known from the prior art.

1.2. Claim 1 differs from a prior art such as this by the remaining method steps.

These differentiating method steps relate step-by-step to the multiplication of a multiplicand by a multiplier using a module, the multiplicand, the multiplier and the module being polynomials of a variable  $x$  and merely describing a pure mathematical method.

Adding these differentiating features to a known cryptographic method does not result in any discernable technical effect.

Consequently, these differentiating features do not solve any technical problem. The method according to Claim 1 thus does not involve an inventive step

within the meaning of PCT Article 33(3).

2. For the same reasons, the subject matter of Claims 7 and 11 also does not involve an inventive step within the meaning of PCT Article 33(3).

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